

ABSTRACT OF THE DISCLOSURE

A printing apparatus is provided. The apparatus includes a pressurized source of a thermodynamically stable mixture of a fluid and a marking material. Portions of a printhead define a delivery path, which is connected to the pressurized source. The printhead includes a discharge device having an outlet with a portion of the discharge device being positioned along the delivery path. The discharge device is shaped to produce a shaped beam of the marking material. The fluid is in a gaseous state at a location beyond the outlet of the discharge device. An actuating mechanism is positioned along the delivery path and has an open position at least partially removed from the delivery path.

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